

**IN THE SPECIFICATION**

Please replace the paragraph beginning on page 8, line 26 with the following:

After entering the program, the routine proceeds to step 10 wherein it is determined whether a preselected sampling time  $Ts1$  has been reached or not. This determination is achieved by monitoring a count value of a timer installed in a sub-CPU. The sampling time  $Ts1$  is, for example, several tens of minutes or several hours. If a YES answer is obtained, then the routine proceeds to step 20 wherein a total zero-point initial value  $\Sigma F_0$  and previously determined values  $Wt (n-1)$  and  $Yt (n-1)$ , as will be referred to later in detail, are read out of the EEPROM ~~36~~ 63. Note that  $n$  is a program cycle number.

Please replace the paragraph beginning on page 9, line 10 with the following:

The routine proceeds to step 30 wherein an adult identifying threshold value  $WTH$  and upper and lower limits  $TH3H$  and  $TH3L$  used to correct the ~~adjust~~ adult identifying threshold value  $WTH$ , and a given constant used in a digital LPF (low-pass filter) operation are read out of the ~~EEPROM 36~~ EEPROM 63. Note that the adult identifying threshold value  $WTH$  is preselected to a value of, for example, 35kg derived by subtracting 5kg from 40kg which is expected as the sum of outputs of all the load sensors 2 to 5 when, for example, a smaller size adult of 50kg is sitting on the seat 1 with his or her legs resting on the floor of the ~~vehicle~~ vehicle.

Please replace the paragraph beginning on page 10, line 9 with the following:

In step 70, a zero-point deviation  $Wt(n)$  is determined according to an equation  $Wt(n) = \Sigma F - \Sigma F_0$  where  $\Sigma F$  is the sum of outputs  $F1$ ,  $F2$ ,  $F3$ , and  $F4$  of the load sensors 2 to 5, as derived in step 40, and  $\Sigma F_0$  is the sum of initial values of outputs  $\Sigma F1_0$ ,  $\Sigma F2_0$ ,  $\Sigma F3_0$ ,  $\Sigma F4_0$  of the load sensors 2 to 5 prestored in the EEPROM 36 63 by a manufacturer of the occupant restraint system 100 and read out of the EEPROM 36 63 in step 20. Specifically, the initial values represent manufacturer-preset reference values (i.e., zero points) that are outputs of the load sensors 2 to 5 when the seat 1 is unoccupied by any person, and only the weight of the seat 1 is applied to the load sensors 2 to 5. Accordingly, the zero-point deviation  $Wt(n)$  represents a drift of a total value of actual outputs of the load sensors 2 to 5 from a total value of the manufacturer-preset reference values and is derived as a function of the degree of aging of the load sensors 2 to 5.

Please replace the paragraph beginning on page 13, line 17 with the following:

The routine proceeds to step 140 wherein the adult identifying threshold value  $WTH$ , the sensor aging parameter  $Yt(n-1)$ , and the zero-point deviation  $Wt(n-1)$  are stored in the EEPROM 36 63.